

PATENT  
P57672**AMENDMENTS TO THE CLAIMS****Listing of Claims:**

Pursuant to 37 CFR §121(c), the claim listing, including the text of the claims, will serve to replace all prior versions of the claims in the application.

Please cancel claims 1-6, and amend claims 12 and 18 as follows:

1           Claims 1-6. (Cancelled).

1           7. (Previously Presented) A helical implant, comprising a core surrounded by helical threads,  
2           and inclined flanks of said threads bearing continuous micro-patterns increasing exposed surface area  
3           of said implant.

1           8. (Previously Presented) The helical implant of claim 7, comprised of the micro-patterns  
2           having a polygonal cross-section opened at one side thereof.

1           9. (Previously Presented) A helical implant of claim 7, comprised of the micro-patterns  
2           comprising one or more recesses and protrusions.

1           10. (Previously Presented) The helical implant as set forth in claim 7, comprised of the  
2           micro-patterns comprising one or more recesses and protrusions with both the recesses and  
3           protrusions having an arcuate cross section of identical curvature and length.

PATENT  
P57672

1           11. (Previously Presented) The helical implant as set forth in claim 7, comprised of the  
2           micro-patterns comprising one or more recesses and protrusions with two adjacent recesses being  
3           separated by a distance on an order of 150  $\mu\text{m}$ .

1           12. (Currently Amended) The helical implant of in claim 7, comprised of said micro-patterns  
2           having a cross-sectional ~~[[areas]]~~ dimension on an order of 150  $\mu\text{m}$ .

1           13. (Previously Presented) A helical implant, comprising a core surrounded by helical  
2           threads bearing inclined flanks incised with continuous micro-patterns increasing exposed surface  
3           area of said implant by extending along said flanks and around said core.

1           14. (Previously Presented) The helical implant as set forth in claim 13, comprised of the  
2           micro-patterns having a polygonal cross-section opened at one side thereof.

1           15. (Previously Presented) A helical implant of claim 13, comprised of the micro-patterns  
2           comprising one or more recesses and protrusions.

1           16. (Previously Presented) The helical implant as set forth in claim 13, comprised of the  
2           micro-patterns comprising one or more recesses and protrusions with both the recesses and  
3           protrusions having an arcuate cross section of identical curvature and length.

PATENT  
P57672

4           17. (Previously Presented) The helical implant as set forth in claim 13, comprised of the  
5   micro-patterns comprising one or more recesses and protrusions with two adjacent recesses being  
6   separated by a distance on an order of 150  $\mu\text{m}$ .

1           18. (Currently Amended) The helical implant of in claim 13, comprised of said micro-  
2   patterns having a cross-sectional ~~[[areas]]~~ dimension on an order of 150  $\mu\text{m}$ .